



Gulf of Mexico Harmful Algal Bloom Bulletin

28 October 2004

National Ocean Service

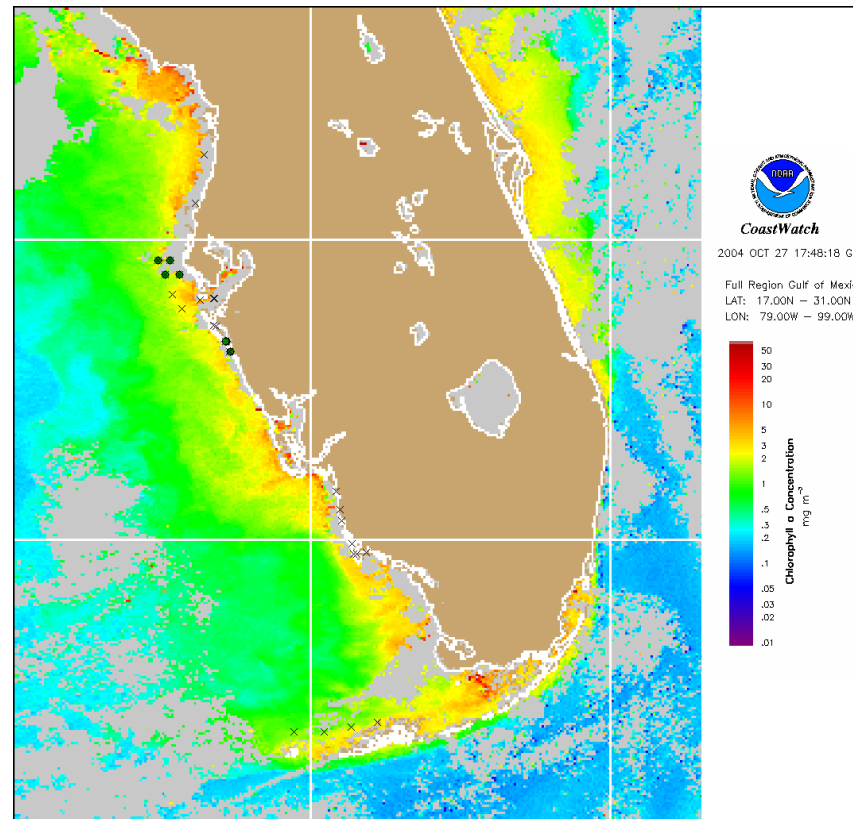
National Environmental Satellite, Data, and Information Service

Last bulletin: October 25, 2004

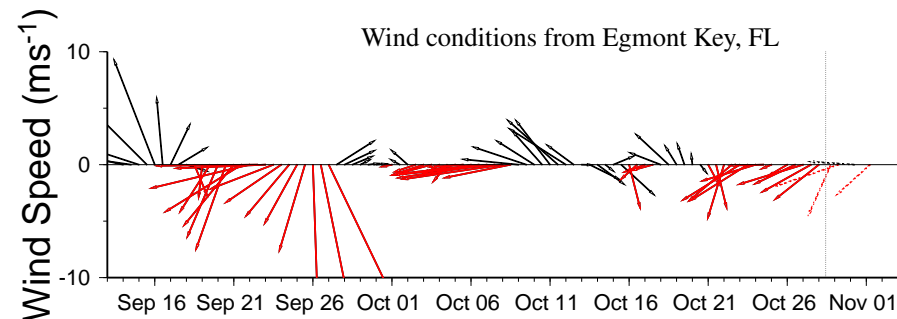
Conditions: Patchy areas of very low harmful algae concentrations identified near Sarasota during October 18-20. Impacts at the beach are not likely through the weekend. Analysis does not indicate harmful algae presence elsewhere in Florida.

Analysis: Feature near Sarasota remains relatively unchanged. Continued steady northeasterly winds, while upwelling favorable, are unlikely to intensify current *Karenia* concentrations in this location. Beach impacts unlikely through Sunday. Chlorophyll concentrations remain above $3\mu\text{g/L}$ from Boca Grande to Sanibel, but no samples are available. Imagery does not indicate *Karenia* elsewhere along Florida's Gulf Coast.

Stolz, Fisher



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from October 21, 2004 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

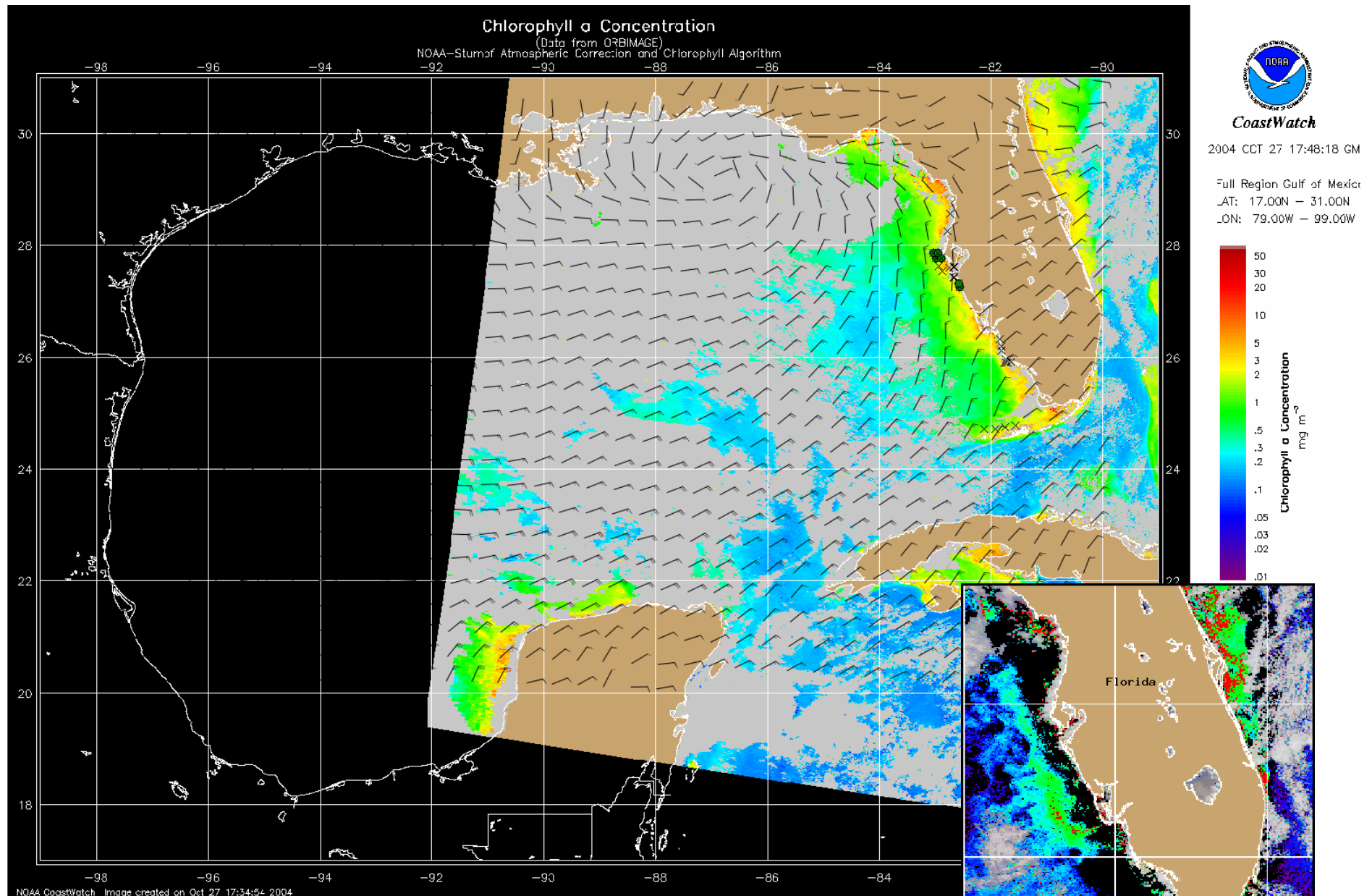


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

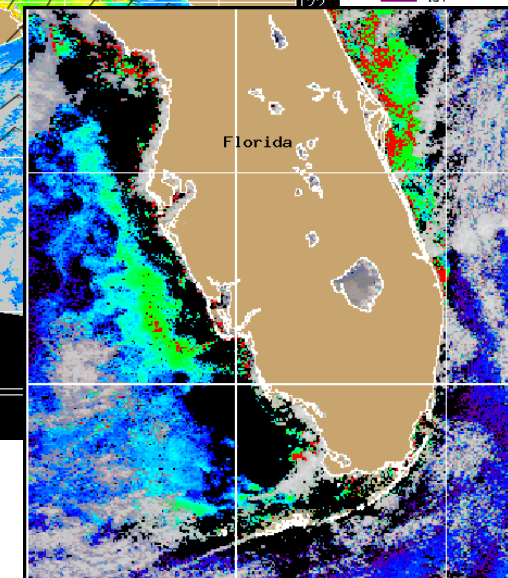
Steady northeasterly winds of past few days to continue through Friday. Winds to clock easterly Sunday to southeasterly Monday.

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4. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.



Chlorophyll concentration from satellite and forecast winds for October 29, 2004 00Z with cell concentration sampling data from October 21, 2004 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Blooms shown in red (see p. 1 analysis and image for interpretation)